## JC03 Rec'd PCT/PTO 04 MAY 2005

PTO-1390 (Rev. 02-2005)
Approved for use through 3/31/2007. OMB 0651-0021
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| TRA   | NSMITTAL LETTER TO  | ATTTORNEY'S DOCKET NUMBER                                       |  |  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|--|--|
| D   | ESIGNATED/ELECTED   | 20363-013 NATL U.S. APPLICATION, NO. (If known, see A7 CFR 1.5) |  |  |  |  |  |  |  |
|   | CERNING A SUBMISSIC   | 111/533839  |  |  |  |  |  |  |  |
| INTERNATI<br>PCT/US200  | ONAL APPLICATION NO.<br>3/035282  | 04 November 2003 (04.11.2003)                                   | PRIORITY DATE CLAIMED  04 November 2002 (04.11.2002) |  |  |  |  |  |  |
|   | OF INVENTION OF MATERIAL PROTEINS   |   |  |  |  |  |  |  |  |
| APPLICANT(S) FOR DO/EO/US<br>KAELIN, William, G., Jr.   |   |   |  |  |  |  |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: |   |   |  |  |  |  |  |  |  |
| 1. 🗷 ТІ   | This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.  |   |  |  |  |  |  |  |  |
| 2. 🗆 Th   | This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.   |   |  |  |  |  |  |  |  |
|   | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.   |   |  |  |  |  |  |  |  |
| 4. 🗶 TI   | The US has been elected (Article 31).   |   |  |  |  |  |  |  |  |
| 5. <b>X</b>   | A copy of the International Application as filed (35 U.S.C. 371(c)(2))  |   |  |  |  |  |  |  |  |
|   | a. is attached hereto (required only if not communicated by the International Bureau).  |   |  |  |  |  |  |  |  |
|   | b. has been communicated by the International Bureau.   |   |  |  |  |  |  |  |  |
|   | c. x is not required, as the application was filed in the United States Receiving Office (RO/US).   |   |  |  |  |  |  |  |  |
| 6. 📙  | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).  |   |  |  |  |  |  |  |  |
|   | a. is attached hereto.  |   |  |  |  |  |  |  |  |
| L&1   | b. has been previously submitted under 35 U.S.C. 154(d)(4).   |   |  |  |  |  |  |  |  |
| 7.  | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))  |   |  |  |  |  |  |  |  |
|   | a. ure attached hereto (required only if not communicated by the International Bureau).   |   |  |  |  |  |  |  |  |
|   | b. Light have been communicated by the International Bureau.  |   |  |  |  |  |  |  |  |
| 清   | c. Have not been made; however, the time limit for making such amendments has NOT expired.  |   |  |  |  |  |  |  |  |
|   | d. 💌 have not been made and will not be made.   |   |  |  |  |  |  |  |  |
|   | An English language translation of the améndments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).   |   |  |  |  |  |  |  |  |
| !   | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).  |   |  |  |  |  |  |  |  |
|   | An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).  |   |  |  |  |  |  |  |  |
| Items 11 to 20 below concern document(s) or information included:   |   |   |  |  |  |  |  |  |  |
| 11. 🔲   | An Information Disclosure Statement   | under 37 CFR 1.97 and 1.98.                                     |  |  |  |  |  |  |  |
| 12.   | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.   |   |  |  |  |  |  |  |  |
| 13.   | A preliminary amendment.  |   |  |  |  |  |  |  |  |
| 14.   | An Application Data Sheet under 37 CFR 1.76.  |   |  |  |  |  |  |  |  |
| 15. 🗀   | A substitute specification.   |   |  |  |  |  |  |  |  |
| 16. 🔲   | A power of attorney and/or change of  | address letter.   |  |  |  |  |  |  |  |
| 17. 📙   | A computer-readable form of the sequ  | uence listing in accordance with PCT Rule 1                     | 3ter.2 and 37 CFR 1.821- 1.825.                      |  |  |  |  |  |  |
| 18. 🗀 .   | A second copy of the published Interr   | national Application under 35 U.S.C. 154(d)(                    | 4).  |  |  |  |  |  |  |
| l 150   | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).  Check, Postcard, Express Mail Label No. EV494969830US, Published appl; PCT form 301, 304 and Other items or information: 308; International Search Report; Filing Date: 04 May 2005 (04.05.2005) |   |  |  |  |  |  |  |  |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. NO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| U.S. APPLICAT  | CATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. |                        | ATTORNEY'S DOCKET NUMBER                                       |                          |                          |               |  |  |  |
|--|---|------------------------|--|--------------------------|--------------------------|---------------|--|--|--|
| 1  | 10./533839 PCT/US2003/035282  |                        | 20363-013 NATL   |                          |                          |               |  |  |  |
| The foll   | owing fees ha   | CALCULATIONS           | PTO USE ONLY   |                          |                          |               |  |  |  |
| 21. 🗶 Basi   | c national fee.   |                        |  | \$300                    | 300.00                   |               |  |  |  |
| If International p   | 3(1)-(4)  | \$ 200.00              |  |                          |                          |               |  |  |  |
| 23. X Sea<br>Search fee (37 C  | rch fee<br>FR 1.445(a)(2<br>nat Searching<br>irch Report pre        | \$ 100.00              |  |                          |                          |               |  |  |  |
|  | TOTAL OF 2  | \$ 600.00              |  |                          |                          |               |  |  |  |
| sequence li  | e for specifica<br>sting or compu<br>250 for each a                 |                        |  |                          |                          |               |  |  |  |
| Total Sheets   | Extra Shee  |                        | ch additional 50 or fraction<br>d <b>up</b> to a whole number) | RATE                     |                          |               |  |  |  |
| - 100 =  | /5  | 0 =                    |  | x \$250                  | \$ 0.00                  |               |  |  |  |
| Surcharge of \$13 claimed priority of  |   | \$ 130.00              |  |                          |                          |               |  |  |  |
| CLAIMS NUMBER FIL  |   | JMBER FILED            | NUMBER EXTRA   | RATE                     | \$                       |               |  |  |  |
| Total claims   |   | 34 - 20 =              | 14   | x \$ 50                  | \$ 700.00                |               |  |  |  |
| Independent clai   | ms  | 8 - 3 =                | 5  | × \$200                  | \$ 1000.00               |               |  |  |  |
| MULTIPLE DEP   | ENDENT CLA  | IM(S) (if applicable)  | <del></del>  | + \$360                  | \$ 000                   |               |  |  |  |
|  | <del></del>   |                        | TOTAL OF ABO   | VE CACULATIONS =         | \$ 2430.00               |               |  |  |  |
| Applicant cla  | ims small enti  |                        |  |                          |                          |               |  |  |  |
|  |   |                        | *  | SUBTOTAL =               | \$ 1215.00               |               |  |  |  |
| Processing fee of<br>claimed priority of   |   | \$ 0.00                |  |                          |                          |               |  |  |  |
| - :  |   | \$ 1215,.00            |  |                          |                          |               |  |  |  |
| Fee for recording by an appropriate  |   | \$                     |  |                          |                          |               |  |  |  |
|  |   | \$ 1215.00             |  |                          |                          |               |  |  |  |
|  |   | Amount to be refunded: | \$   |                          |                          |               |  |  |  |
|  |   | Amount to be charged:  | \$   |                          |                          |               |  |  |  |
| a. A check in the amount of \$ 1215.00 to cover the above fees is enclosed.  |   |                        |  |                          |                          |               |  |  |  |
| b. Please charge my Deposit Account No in the amount of \$ to cover the above fees.  A duplicate copy of this sheet is enclosed.   |   |                        |  |                          |                          |               |  |  |  |
| c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit t Account No. 50-0311 A duplicate copy of this sheet is enclosed.                         |   |                        |  |                          |                          |               |  |  |  |
| d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. |   |                        |  |                          |                          |               |  |  |  |
|  |   |                        | 7 CFR 1.495 has not been m                                     | et, a petition to revive | (37 CFR 1:137(a) or (b)) | must be filed |  |  |  |
| SEND ALL COR   |   | $\checkmark$           |  |                          |                          |               |  |  |  |
| Ivor R. Elrifi,  | Esq.  | 1                      |  |                          |                          |               |  |  |  |
| Mintz, Levin,  | -   | WICZ, Cynthia A.       |  |                          |                          |               |  |  |  |
| One Financial  |   |                        |  |                          |                          |               |  |  |  |
| Boston, MA   | 2111  |                        |  |                          |                          |               |  |  |  |
|  |   |                        |  | REGISTRATION             | ON NUMBER                |               |  |  |  |